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REPORT NO.

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COUNTRY Poland

DATE DISTR. 30 Dec 53

SUBJECT Air Force Technical School at Zamosc

50X1 NO. OF PAGES 13

DATE OF INFORMATION

REFERENCES:

PLACE ACQUIRED

THIS IS UNEVALUATED INFORMATION

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I. Identification Data:

✓Reference to Encl. 1, Overlay of GSGS 4416, Sheet S-17, Locating Air Force Technical School and Air Force Barracks at Zamosc ✓N 50-43, E 23-157.7

Pt. # 1. Air Force Technical School.

2. Air Force Barracks.

II. Site Layout:

✓Reference to Encl. 2, Memory Sketch of Air Force Technical School and Air Force Barracks at Zamosc.✓

A. Air Force Technical School

All roads on installation were concrete, five meters wide and in good condition.

Pt. # 1. Street (Stalina): cobblestone, eight meters wide, in good condition.

2. Dirt Road: five meters wide.

3. Fence: north and east side of installation, fence was of wood construction; west and south side was screen. Fence was two meters high, surrounding entire installation 800 x 800 m.

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- # 4. Entrance: spiked gate, six meters long, three meters high. One armed guard was noted at entrance.
- # 5. Building: brick, seven x six x five meters, with red tile covered hipped type roof. This building was used by the duty officer. Building was three meters south of road and one meter east of fence Pt. 37.
- # 6. Officers' Club: brick, 40 x 15 x 7 m., with red tile covered gable type roof. Building was six meters east of fence Pt. 37 and 10 m. north of road.
- # 7. Church: red brick, located 30 m. south and east of fence Pt. 37.
- # 8. Building: brick, 17 x 7 x 5 m., with tar paper covered low gable type roof. Building was used for visitors visiting personnel on the installation. It was five meters north of road and 15 m. west of road.
- # 9. Building Foundation: concrete, 60 x 30 m. Construction started on this building in September 1952. Source had hearsay information that upon completion of building, it would be used as an officers' club. Building was 15 m. east of fence Pt. 37, and 30 m. south of road.
- # 10. Officers' Living Quarters: two-story, brick, 30 x 14 m., with red tile covered gable type roof. Single officers and officers with their dependents occupied this building. Building was three meters east of road.
- # 11. Officers' Living Quarters: same as Pt. 107, this building was located 15 m. south of building Pt. 107.
- # 12. Officers' Living Quarters: same as Pt. 107.
- # 13. Officers' Living Quarters: same as Pt. 107.
- # 14. Officers' Living Quarters: same as Pt. 107.
- # 15. Officers' Living Quarters: same as Pt. 107.
- # 16. Officers' Mess: brick, 40 x 15 x 8 m., with red tile covered gable type roof.
- # 17. Security Building: two-story, brick, 40 x 15 m., with red tile covered gable type roof. In this building a security check on all personnel attending school was made, i.e., each individual's past, both civilian and military, was checked. One armed guard was observed (during the evenings only) patrolling east end of building. Building was 30 m. south of fence Pt. 37.
- # 18. Guard House: brick, 10 x 9 x 5 m., with red tile covered hipped type roof. In this building guards received their duty stations. One armed guard was observed patrolling south end of building. Building was six meters north of road.
- # 19. Installation Prison: brick, eight by seven by four meters, with red tile covered gable type roof. Only persons charged with minor violations were imprisoned here. In September 1952 construction to lengthen south end of building was in progress. One armed guard was observed patrolling around building. Building was 10 m. south of road.

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- # 20. Building: two-story, brick, 100 x 20 m., with red tile covered gable type roof. The north half portion of the first floor was used for teaching engine mechanics; the south half portion of the first floor and the second floor were used for teaching armament.
- # 21. Building: same construction and dimensions as Pt. 20. The first floor was used for the teaching of electrical mechanics and on the second floor they taught radio and instrument mechanics. Building was 30 m. south of building Pt. 20, and 10 m. north of road.
- # 22. Building: same construction and dimensions as Pt. 20. This building was used as sleeping quarters for enlisted personnel (students). Building was 10 m. south of road.
- # 23. Building: three-story, brick, 50 x 20 m., with red tile covered gable type roof. Building was used for political studies. Building was located 20 m. east and west of roads.
- # 24. Building: three-story, brick, 50 x 20 m., with red tile covered gable type roof. Building was used for political studies. Building was located 20 m. east and west of roads.
- # 25. Laundry: brick, 30 x 10 x 4 m.; roof construction unknown.
- # 26. Air Force Technical School Headquarters: two-story, brick, 100 x 20 m., with red tile covered gable type roof. The commanding officer (Soviet Col. WOROBIOW wore Polish uniform) had his office in this building. Building was three meters east of road and seven meters north of road.
- # 27. Hospital: brick, 40 x 15 x 8 m., with red tile covered gable type roof. Hospital was four meters north of road and 70 m. east of building Pt. 26.
- # 28. Building: brick, 30 x 20 x 8 m., with red tile covered gable type roof. Located in this building were school workshops and other minor maintenance. Building was 10 m. west of road.
- # 29. Water Pump: brick, five by five by four meters, roof construction unknown. Source heard the humming of machinery coming from this building. An armed guard was noted patrolling around building during evening hours only.
- # 30. Building: brick, 60 x 10 x 6 m., with red tile covered gable type roof. Aircraft engine mechanics was taught in this building. Building was 10 m. east of road and four meters north of road.
- # 31. Building: wood, 40 x 10 x 4 m., with tar paper covered low gable type roof. This building was used to house enlisted personnel who were permanently assigned to the school. Building was 15 m. east of building Pt. 30.
- # 32. Building: two-story, brick, 30 x 20 m., with red tile covered gable type roof. This building was used to teach personnel sheet metal work and welding. Building was six meters east of RR spur Pt. 37.
- # 33. Athletic Grounds: 100 x 60 m.
- # 34. Building: brick, 60 x 10 x 6 m., with red tile covered gable type roof. Building was used for briefing and assignment of new students upon arrival. Building was also used to quarter new students until they were definitely assigned. Also located in building was a school store where personnel purchased their cigarettes, etc. Building was 10 m. east of road and four meters south of road.

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- # 35. Building: wood, 40 x 10 x 4 m., with tar paper covered low gable type roof. This building was used to house enlisted personnel who were permanently assigned to the school. Building was 15 m. east of building Pt. 34.
- # 36. Building: two-story, brick, 30 x 20 m., with red tile covered gable type roof. This building was used to teach carpentry, drafting and aircraft sheet metal work. Building was five meters east of RR spur Pt. 37.
- # 37. RR Spur: single track, standard gauge, connecting ~~with~~ main RR line Pt. 45.
- # 38. Building: brick, 80 x 20 x 8 m., with red tile covered gable type roof. This building was used for teaching aerodynamics and aircraft mechanics. Located in building was a IL-10 attack type aircraft that was disassembled and which students were being trained on.
- # 39. Building: same construction and dimensions as Pt. 38. Aircraft mechanics were taught in this building. Located in building was a PE-2 type aircraft that was disassembled; students were being trained on this aircraft. Building was 30 m. east of building Pt. 38.
- # 40. Gymnasium: brick, 80 x 20 x 6 m., with red tile covered gable type roof. Building was 30 m. east of building Pt. 39.
- # 41. Building: brick, 80 x 20 x 8 m., with red tile covered gable type roof. Building was used for teaching chemical warfare, map reading, metal technology, and camouflage. Building was 30 m. east of building Pt. 40.
- # 42. Aircraft: indicated on sketch as "t". Number of aircraft parked around Pt. 38 to 41 included two YAK-17's, two PE-2's, two IL-10's, 12 YAK-9-P's, six IL-2's, two PO-2's, one UT-2. Armed guards in pairs were observed patrolling aircraft area during the evenings only.
- # 43. Garage: brick, 70 x 20 x 5 m., roof construction unknown. Capacity unknown. Building was 50 m. west of RR track Pt. 45.
- # 44. Entrance: for RR transportation only, eight meters wide with a red and white striped pole across entrance. One armed guard was noted at entrance.
- # 45. RR track: single track, standard gauge. Track ended at building Pt. 52. Source could not state where track led in south direction after leaving school area. A large coal pile was observed at east end of RR track near Pt. 52. One armed guard was observed near coal pile.
- # 46. Aircraft: indicated on sketch as "t". Types and numbers of aircraft parked in this area: two PE-2's, two PO-2's, four IL-2's, two YAK-9-P's, and one UT-2.
- # 47. Building: brick, 25 x 10 x 5 m., with red tile covered gable type roof. Located in building was a fuel storage used by the school (capacity unknown). Source had seen fuel drums near building varying in sizes (quantity unknown). Building was 10 m. east of RR track Pt. 45. One armed guard was noted patrolling by this building 24 hours a day.
- # 48. Building: brick, 15 x 15 x 8 m., with red tile covered hipped type roof. Located in building was a test equipment room and aircraft tool and parts room.

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- # 49. Warehouse: brick, 100 x 30 x 8 m., roof construction unknown. Warehouse was used for storing of food and uniforms. Warehouse was five meters west of RR track Pt. 45.
- # 50. Building: brick, 25 x 10 x 6 m., with red tile covered gable type roof. Building was used as sleeping quarters for the school orchestra. Building was 20 m. west of fence Pt. 37 and five meters north of road.
- # 51. Building: brick, 20 x 10 x 6 m., with red tile covered gable type roof. Source could not positively state what building was used for; however, he believed it was used as a practice room for the school orchestra. Building was 20 m. east of RR track Pt. 45.
- # 52. Building: brick, 100 x 30 x 8 m., with red tile covered gable type roof. Building was used as kitchen and mess hall for all enlisted personnel. Located five meters west of RR track Pt. 45.
- # 53. Student Living Quarters: two-story, brick, 100 x 20 m., with red tile covered gable type roof. Students that were going through school as technicians were quartered in this building. All students housed in this building would receive a commission upon completion of schooling. Building was just east of road.
- # 54. Ammunition Storage: brick, 25 x 10 x 5 m., with red tile covered gable type roof. Type of ammunition stored unknown. One armed guard was observed patrolling building 24 hours a day. Building was four meters east of road.
- # 55. School Bakery: brick, 30 x 15 x 6 m., with red tile covered gable type roof. Building was five meters south of fence Pt. 37.
- # 56. Shower House: brick, 30 x 15 x 6 m., with red tile covered gable type roof. Building was five meters south of fence Pt. 37.
- B** Airforce Barracks: housing area for students attending Air Force Technical School at Zamosc. Housing area was located approximately 1½ km. south of Air Force Technical School.
- # 57. Fence: the north and east fence was constructed of screen and the south and west fence was of wood; two meters high, surrounding entire installation 500 m. east to west and 400 m. north to south.
- # 58. Entrance: wood and screen gate, four meters wide, two meters high. One armed guard was observed at entrance.
- # 59. Student Sleeping Quarters: wood, 60 x 10 x 5 m., with tar paper covered hipped type roof. Housed approximately 200 students. Barracks was five meters south of fence Pt. 57.
- # 60. Student Sleeping Quarters: same construction and dimensions as Pt. 59. Approximately 10 m. south of Pt. 59.
- # 61. Student's Sleeping Quarters: same construction and dimensions as Pt. 59. Approximately 20 m. west of Pt. 59.
- # 62. Student's Sleeping Quarters: same construction and dimensions as Pt. 59. Approximately 20 m. west of Pt. 60.
- # 63. Student's Sleeping Quarters: same construction and dimensions as Pt. 59. Housed approximately 200 students. Barrack was five meters east of fence Pt. 57.

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- # 64. Kitchen and Mess Hall: wood, 70 x 20 x 5 m., with tar paper covered hipped type roof. Barrack was 25 m. east of fence Pt. 577.
- # 65. Building: brick, 30 x 15 x 8 m., with red tile covered gable type roof. Located in building was a military sales store (PX), first aid station, and guard house. Installation guards received their posts in this building. One armed guard was noted at the west entrance of building. Building was 100 m. north of fence Pt. 577.
- # 66. Student's Living Quarters: brick, 50 x 10 x 5 m., with red tile covered gable type roof.
- # 67. Warehouse: wood, 70 x 20 x 8 m., with tar paper covered gable type roof. Building was used for the storing of food.
- # 68. Building: same dimensions and construction as Pt. 677. Building was empty. One armed guard was observed patrolling between building Pt. 677 and this building. Building was 40 m. south of building Pt. 677 and 20 m. north of fence Pt. 577.
- # 69. Entrance: wooden gate, six meters wide, two meters high. One armed guard was observed at entrance.

III. Courses, Subjects, Hours and Equipment:

There were four cycles of courses at this school; 1) political, 2) engine, 3) armament, 4) communications. The communications cycle was broken down into four courses: radio, aerial photography, instrument and electrical. All students were required to take the political course. All courses were 10 months long for students training to become mechanics; for students training as technicians, course duration was 14 months. Students training as technicians received a commission upon completion of schooling. Regardless of cycle being studied, students would receive some practical training in all of the other cycles. To enter this school, it was necessary to have some type of training as a mechanic in civilian life. This was the only qualification necessary. The school week was six days a week, eight hours a day and two hours of after school studies on one Saturday each month. Students were not required to attend school that Saturday as it was given to them to take care of their personal needs. Students were seldom given passes. In the ten month period that Source was at this school he received only two passes. Following is a breakdown of subjects and hours taught in the electrical mechanics course:

<u>Subject</u>	<u>Polish</u>	<u>Hours</u>
Aircraft Electrical Training	Elektro Urzadzenia Samolotu	200
Electricity	Elektrotechnika	180
Source of Electrical Energy	Zrodla Energii Elektrycznej	100

Following is a list of some types of equipment taught under this subject:

GS-10-350 (GS Generator Samolotu - Aircraft Generator; 10- Series; 350 w.). This type of generator is used by the IL-2 and IL-10 type aircraft.

GS-500B (GS Generator Samolotu - Aircraft Generator; 500B- w.). This type of generator is used by the YAK-9-P type aircraft.

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GS-30-1000 (GS Generator Samolotu - Aircraft Generator; 30 - Series; 1,000 w.). This type of generator is used by the PE-2 type aircraft.

GSK-1500 (GS Generator Samolotu - Aircraft Generator, K- unknown; 1,500 - w.). This type of generator is used in jet type aircraft.

Aircraft Batteries:

Nomenclature:

12-A-5 (12 - number of cells in battery; A- aircraft battery; 5 amper hours.) Seldom used.

12-A-10 (Used by all conventional type aircraft.)

12-A-30 (Used by PE-2 type aircraft.)

All batteries were of Soviet manufacture.

Regulators - Skrzynka Regulacyjna:

Nomenclature:

RK-12F-350 (RK-Regulator; 12F - Series; 350 w.).

RK-32-1000 (RK Regulator; 32 - Series; 1,000 w.)

RK-500A (RK Regulator; 500A - Watts.)

<u>Subject</u>	<u>Polish</u>	<u>Hours</u>
Repair of Electrical Units on Aircraft	Remont Elektro Urzadzen	80
Exploitation of Electrical Aircraft Units	Eksplotacja Elektro Urzadzen Samolotu	80
Dismantling and Replacing of Aircraft Electrical Units on Aircraft	Montarz Elektro Urzadzen Samolotu	60
Radio and Radio Procedures	Radio Urzadzenia	60
Instruments	Przyrzady Pokladowe	60
Engine Construction	Konstrukcja Silnika	60

Types of engines taught during the course included:

Nomenclature:

AM-38F (AM - Alexander Mikulin (Soviet); 38 - Series; F-Forsarz.)

WK-107 (WK - Initials of Soviet Constructor; 107 Series.)

<u>Subject</u>	<u>Polish</u>	<u>Hours</u>
Body and Wing Construction	Konstrukcja Platowca	40
Aircraft Armament	Uzbrojenie Samolotu	30

Following is a list of the types of armament taught under this subject:

Nomenclature:

UB type machine gun 12.7 caliber (U-Uniwersalny - Universal; B-Berezin - Name of Soviet constructor.) Can be mounted on the wings, engine or behind the cockpit.

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SZKAS type machine gun 7.62 caliber

WEYA type light cannon 23 caliber (WEYA - Name of constructor.) Mounted on wings of IL-2 and IL-10 type of aircraft.

SZWAK type light cannon - 23 caliber (SZWAK - Name of constructor.) Fires through spinner on propeller of YAK-9P type aircraft.

DAG-10 type rocket launchers holds 10 rockets, mounted on the bottom of the center of the fuselage of IL-10 and PE-2 type aircraft.

ESBR-3P type bomb release. Holds eight bombs or eight rockets. On IL-2 and IL-10 type aircraft.

ESBR-6 type bomb release. Automatic, on PE-2 and TU-2 type aircraft.

<u>Subject</u>	<u>Polish</u>	<u>Hours</u>
Metal Technology	Technologia Metalu	60
Theory of Flying	Teoria Lotu	20
Political	Polityczne	240
Chemical Warfare	Chemia Wojskowa	40
Map Chart and Compass Reading	Terenoznawstwo	40
Type of compass was Busola, Adrianowa (Compass, Adrianowa - name of constructor.)		
Drafting	Kreslenia Techniczne	40
Small Arm Weapons	Wyszkolenie Strzeleckie	80
Drill	Musztra	80
Airfield Camouflage	Maskowanie Lotnisk	20
Infantry Tactics	Taktyka Piechoty	28
Physical Education	Wychowanie Fizyczne	80
First Aid and Sanitation	Wyszkolenie Sanitarne	24
Army Regulations	Regulaminy Wojskowe	80
Handicraft	Rzemioslo (Praca w Warsztatach)	120

After completion of every one of the above mentioned subjects, students would receive final exams and were marked accordingly: very good, good, fair and poor. Students receiving only one grade of poor would not receive diplomas and would be assigned at their next station as helpers. The students receiving diplomas as mechanics would receive an enlisted grade according to how good their final exams were. Students receiving diplomas as technicians would receive a commission (WO or 2nd Lt.).

IV. Air Order of Battle of the Air Force Technical School at Zamosc:

Reference is made to Encl. 3, Organization Chart of the Air Force Technical School at Zamosc.

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50X1 The Air Force Technical School at Zamose was first organized in 1950 and was directly subordinate to Air Force Headquarters in Warsaw. The commanding officer of the school was a Col. WOROBIOW (Soviet). There were approximately 13 battalions at this school; two companies to a battalion, three platoons to a company and three groups to a platoon. There was one political officer for each battalion and two political officers for each company. There were approximately 5,000 personnel at this school of which 4,600 were students, 200 to 250 teaching staff, 50X1 and the rest of the personnel were administrative personnel and guards. Guard changes at the school were at 1700 hours daily; three guards were assigned to one post, working two hours on and four hours off. 50X1 [redacted] For aircraft see Encl. 2, [redacted] 50X1

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pc. 42 and 48. No further information.

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ENCLOSURES:

1. Overlay of GSGS 4416, Sheet S-17, Locating Air Force Technical School and Air Force Barracks at Zamosc
2. Memory Sketch of Air Force Technical School and Air Force Barracks at Zamosc
3. Organizational Chart of Air Force Technical School at Zamosc

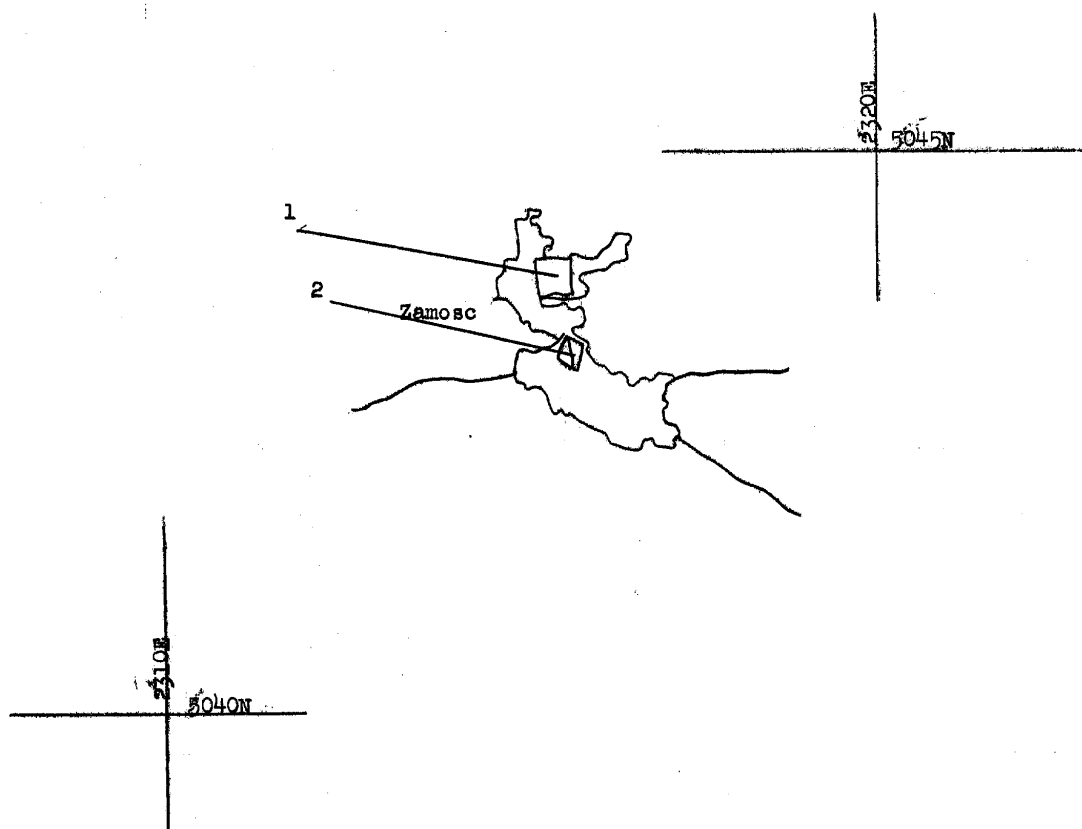
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ENCLOSURE 1:

Overlay of GSGS 4416, Sheet S-17, Locating Air Force Technical School
and Air Force Barracks at Zamose



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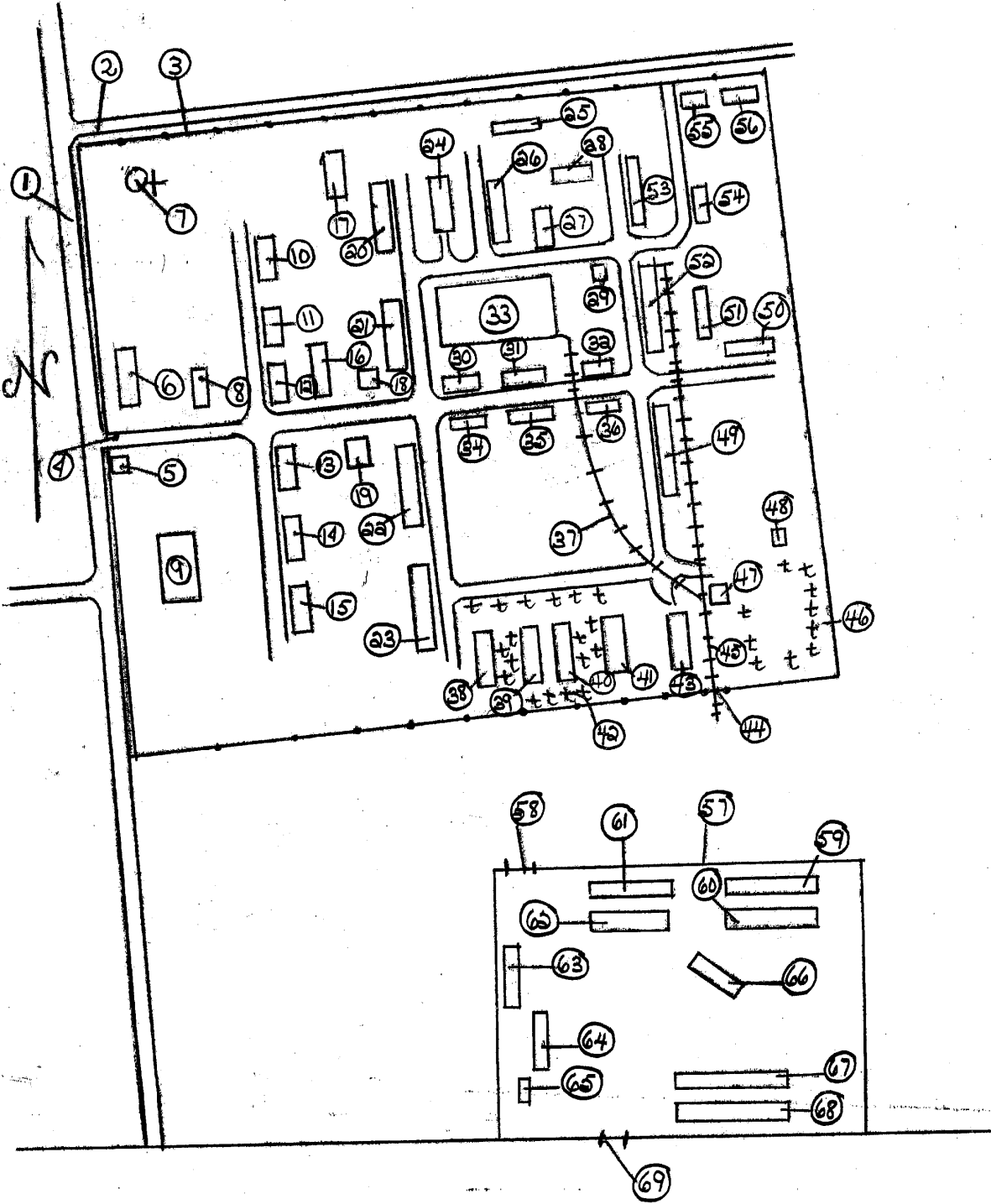
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ENCLOSURE 2:

Memory Sketch of Air Force Technical School and Air Force Barracks at Zamosc



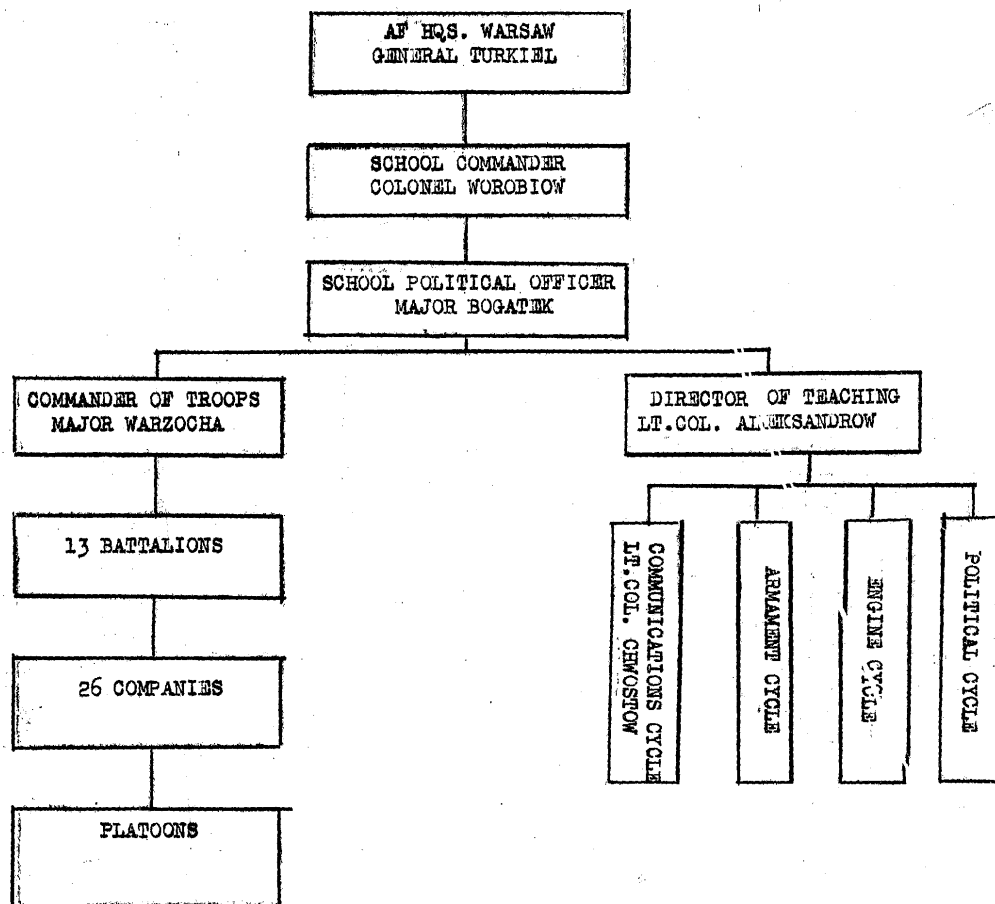
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ENCLOSURE 3:

Organizational Chart of Air Force Technical School at Zamosc



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